

a first power supply unit including a first inverter for outputting a DC voltage and no filter, and

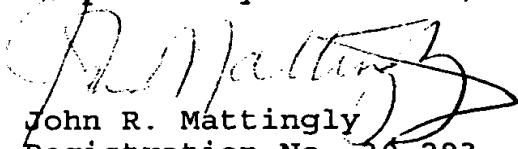
C1 a second power supply unit including a second converter for outputting a DC voltage connected to the first inverter in series, and a DC filter connected to output ports of the second inverter in parallel, and wherein

the scanning electromagnet is connected to the first inverter and the second inverter in series.

REMARKS

Examination is requested.

Respectfully submitted,


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MARKED UP VERSION OF REWRITTEN CLAIMS

4. (Once Amended) A charged particle beam irradiation equipment, for applying a charged particle beam to an irradiation area, comprising a scanning electromagnet for deflecting the charged particle beam and a power supply for applying a voltage to the scanning electromagnet, characterized in that

the power supply comprises;

a first power supply unit including a first inverter
for outputting a DC voltage and no filter, and

a second power supply unit including a second
converter for outputting a DC voltage connected to the first inverter in series, and a DC filter connected to output ports of the second inverter in parallel, and wherein

the scanning electromagnet is connected to the first inverter and the second inverter in series.